

FIG. 3

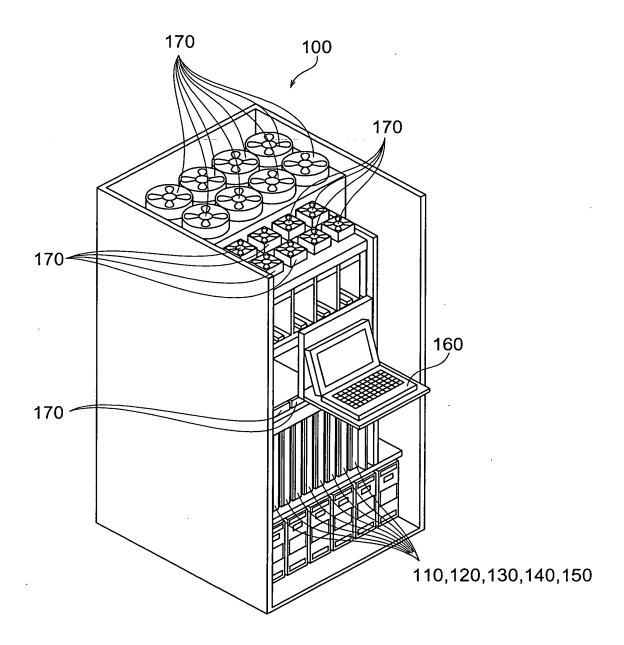


FIG. 4

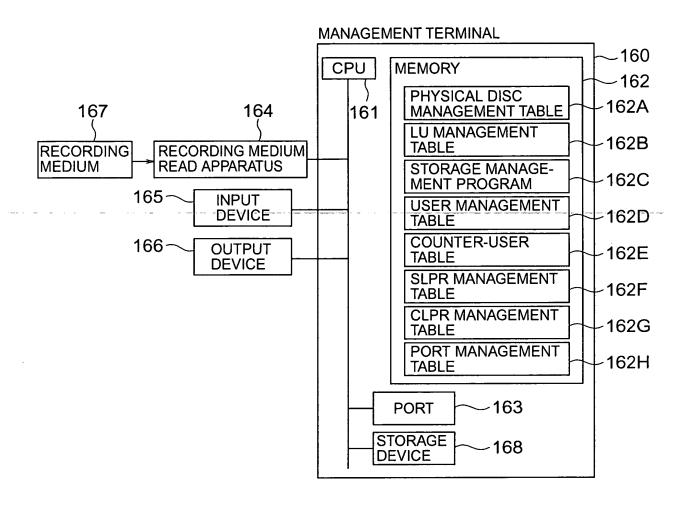


FIG. 5

162A PHYSICAL DISK MANAGEMENT TABL

THI GIONE DIGITAL WAY RELIEF TO THE PERSON OF THE PERSON O											
DISK NUMBER	CAPACITY	RAID	USE STATE	ECC GROUP							
#001	100GB	5	IN USE	0							
#002	100GB	5	IN USE	0							
#003	100GB	5	IN USE	0							
#004	100GB	5	IN USE	0							
#005	100GB	5	IN USE	0							
#006	50GB	-	NOT USED	1							
:	:		:	:							
	DISK NUMBER #001 #002 #003 #004 #005	DISK NUMBER CAPACITY #001 100GB #002 100GB #003 100GB #004 100GB #005 100GB	DISK NUMBER CAPACITY RAID #001 100GB 5 #002 100GB 5 #003 100GB 5 #004 100GB 5 #005 100GB 5	DISK NUMBER CAPACITY RAID USE STATE #001 100GB 5 IN USE #002 100GB 5 IN USE #003 100GB 5 IN USE #004 100GB 5 IN USE #005 100GB 5 IN USE							

FIG. 6

162B

LU MANAGEMENT TABLE

LU NUMBER	PHYSICAL DISK	CAPACITY	RAID	CLPR
#1	#001,#002,#003,#004,#005	100GB	5	0
#2	#001,#002,#003,#004,#005	300GB	5	0
#3	#006,#007,	200GB	1	1
:	:	:	:	:

FIG. 7

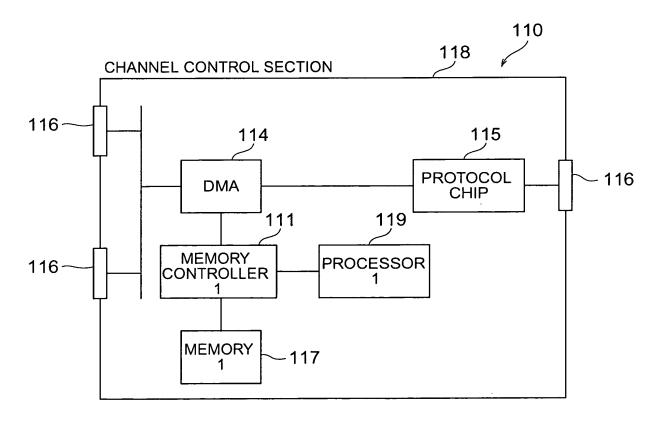
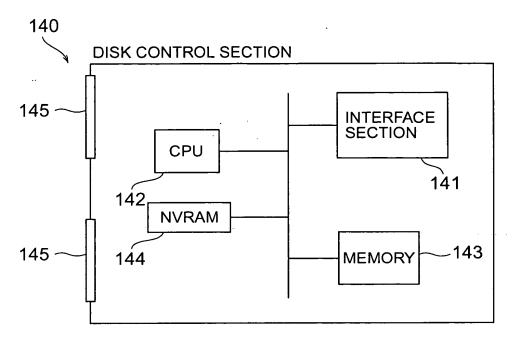


FIG. 8



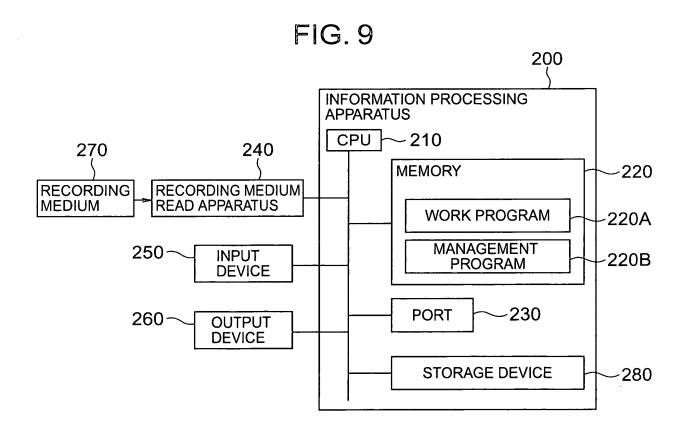


FIG. 10

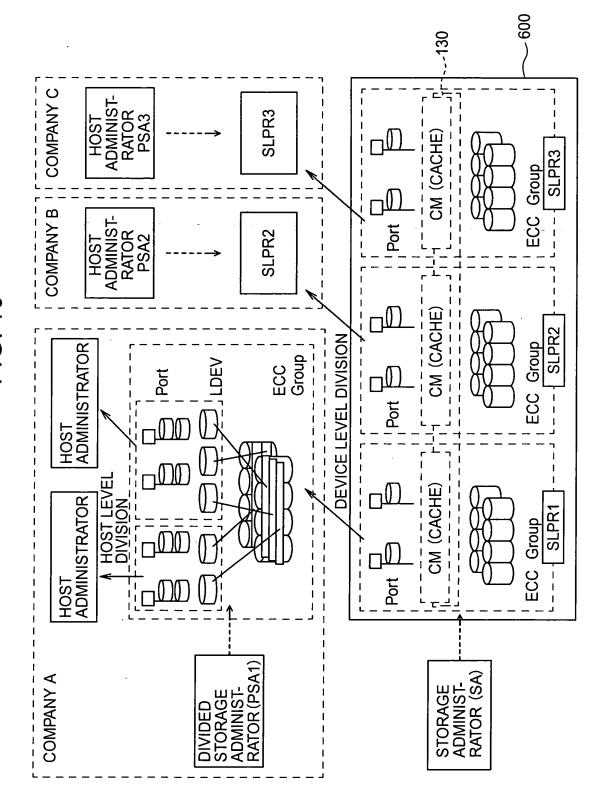


FIG. 11

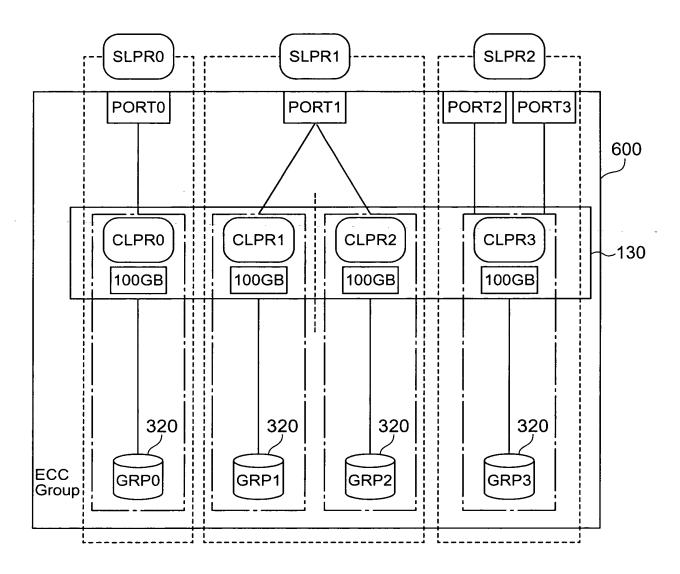


FIG. 12



IDENTIFIER	CACHE CAPACITY	ECC Group	SLPR IDENTIFIER
CLPR0	100GB	GRP0	SLPR0
CLPR1	100GB	GRP1	SLPR1
CLPR2	100GB	GRP2	SLPR1
CLPR3	100GB	GRP3	SLPR2

FIG. 13

130

<u> </u>	ONTRO	DL REGIO	ON.	DATA REGION
	ONIKC	I NEGI	OIN	DAIA REGION
1 	2521 3624	3204 1056	1228 1824	
39	251	5024	2005	
1063	725	5025		
208		207		

FIG. 14

162F

SLPR MANAGEMENT TABLE

IDENTIFIER	USABLE CU NUMBER	USABLE SSID
SLPR0	CU 0×01	4, 5
SLPR1	CU 0×00	6, 7
SLPR2	CU 0×02	8
SLPR3	CU 0 × 03 CU 0 × 04	9, 10, 11

FIG. 15

162H

PORT MANAGEMENT TABLE

PORT NUMBER	SLPR IDENTIFIER
0	SLPR0
1	SLPR1
•••	

FIG. 16

162D

USER MANAGEMENT TABLE

USER ID	USER NAME	PASSWORD	REMARKS
000Z	root	xxx	STORAGE ADMINISTRATOR
123A	User_A	xxx	COMPANY A
456B	User_B	xxx	COMPANY B
789C	User_C	xxx	COMPANY C
:	:	:	

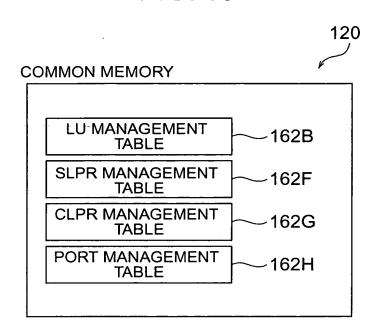
FIG. 17

162E

COUNTER-USER TABLE

USER NAME	SLPR
STORAGE ADMINISTRATOR	ALL
User_A	SLPR0
User_B	SLPR1
User_C	SLPR2
:	:

FIG. 18



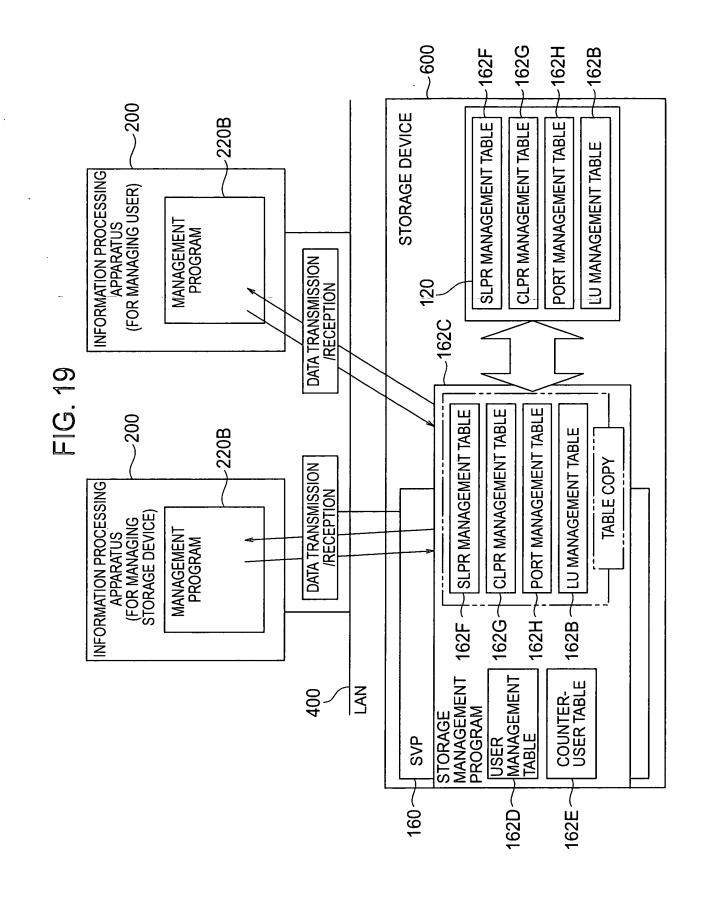


FIG. 20 INFORMATION PROCESSING STORAGE DEVICE APPARATUS FOR (SVP) STORAGE MANAGEMENT RECEIVE INPUT OF -S1000 USER ID AND PASSWORD TRANSMIT USER ID AND PASSWORD (\$1001) REFERENCE USER MANAGEMENT TABLE-AND -S1002 PERFORM USER **AUTHENTICATION** TRANSMIT USER **AUTHENTICATION RESULT (S1003)** S1004 NO OK YES **DISPLAY DIVISION** S1005 **DEFINITION SCREEN** RECEIVE SETTING -S1006 INPUT OF SLPR AND CLPR TRANSMIT SET INPUT DATA (\$1007) UPDATE LU MANAGEMENT TABLE, -S1008 SLPR MANAGEMENT TABLE, CLPR MANAGEMENT TABLE, AND PORT MANAGEMENT TABLE IN COMMON MEMORY READ OUT TABLES FROM -S1009 COMMON MEMORY AND UPDATE TABLES OF SVP TRANSMIT SETTING **COMPLETION NOTIFICATION (S1010) END END**

FIG. 21

\square	·					т. П								
			 -											
		SLPR	0	1	2	2	SLPR	0	0	-		X	5	
	-	PORT	0	1	2	က	 LU	1	2	3			<u> </u>	
		<u> </u>		_					<u> </u>			lanco	<u>6</u>	
									-				2	
							SLPR	0	-	1	2			
İ		4		1			٩U							
		SSID	4,5	6,7	8	9,10,11	ECC GROUP	0	-	2	3			
EN I														
DIVISION DEFINITION SCREEN		no	01	00	02	03,04	CLPR CACHE CAPACITY	100GB	100GB	100GB	100GB			
ION DEF		SLPR	0	-	2	3	CLPR	0	-	2	က			
DIVIS														

FIG. 22 INFORMATION PROCESSING STORAGE DEVICE APPARATUS FOR (SVP) STORAGE MANAGEMENT RECEIVE INPUT OF S2000 USER ID AND PASSWORD TRANSMIT USER ID AND PASSWORD (S2001) REFERENCE USER MANAGEMENT TABLE -S2002 AND PERFORM USER **AUTHENTICATION** TRANSMIT USER **AUTHENTICATION RESULT (S2003)** S2004 NO OK TRANSMIT CONFIGURATION **INFORMATION** YES **ACQUISITION REQUEST (S2005) EXTRACT CONFIGURATION** -S2006 INFORMATION CONTAINED IN SLPR RECOGNIZED BY USER **TRANSMIT CONFIGURATION INFORMATION** ACQUISITION REQUEST (S2007) DISPLAY CONFIGURATION S2008 INFORMATION SCREEN RECEIVE SETTING INPUT -S2009 TRANSMIT SETTING INPUT DATA (S2010) UPDATE LU MANAGEMENT TABLE, -S2011 SLPR MANAGEMENT TABLE. CLPR MANAGEMENT TABLE AND PORT MANAGEMENT TABLE IN COMMON MEMORY READ OUT TABLES FROM **COMMON MEMORY AND** -S2012 UPDATE TABLES OF SVP TRANSMIT SETTING **COMPLETION NOTIFICATION (S2013) DISPLAY PROCESSING** S2014 RESULT

END

END

FIG. 23

									OK
					-				Cancel
EEN 0	-	10	4.5	0	100GB	0			
CONFIGURATION INFORMATION SCREEN 0	SLPR0	no	aiss	PORT NUMBER	CACHE CAPACITY	ECC GROUP			
CONFIGURATIC							 	····	